

Claims

1. A product comprising an applicator, other than a porous or absorbent sheet, whereon a wax dispersion has been applied.

5. A product according to claim 1 wherein the wax dispersion comprises:

(a) a wax phase comprising suitable wax components, said wax phase having a melting point or melting range which is above ambient temperature, or which is, in particular is equal or higher than 25 °C, and

10 (b) an aqueous phase.

15 3. A product according to claim 2 wherein the wax phase mentioned under (a) is present in an amount of 1 – 75 w/w-% and the aqueous phase is present in an amount of 25 – 99 w/w-%, relative to the total weight of the dispersion.

4. A product according to claim 3 wherein the wax dispersion further contains a suitable emulsifier.

5. A product according to claims 1 - 4 wherein the wax dispersion comprises wax particles that comprise a wax phase containing components selected from fats, waxes, fatty alcohols, fatty acids, dialkyl(ene) ethers, dialkyl(ene) carbonates, dicarboxylic acids and hydroxyfatty alcohols, and any mixture of these components.

20 6. A product according to any of claims 1 to 5 wherein the wax phase comprises mono-, di- or triglycerides, fatty alcohols, fatty acids or any combination of these ingredients.

25 7. A product according to any of claims 1 to 5 wherein the wax phase contains dialkyl(ene) ethers or carbonates, dicarboxylic acids or hydroxy fatty alcohols, or a combination thereof.

8. A product according to claims 1 - 18 wherein the wax particles have an average particle size, which is in the range of 0.5 to 100 μm , in particular in the range of 1 to 50 μm , more in particular from 1 to 50 μm .

5 9. A product according to claim 1 wherein the wax dispersion comprises:

- (a) a wax phase having a melting point which is equal or higher than 25 °C, that contains at least one oil or wax component selected from dialkyl(ene) ethers, dialkyl(ene) carbonates, dicarboxylic acids or hydroxyfatty alcohols or any mixture of these substances and at least contains one emulsifier, and

10 (b) an aqueous phase.

10. A product according to claim 9 wherein the wax dispersions contain:

- (a) 1 - 75 w/w-% of a wax phase having a melting point higher than 25 °C, that contains at least one oil or wax component selected from dialkyl(ene) ethers, dialkyl(ene) carbonates, dicarboxylic acids or hydroxyfatty alcohols or any mixture of these substances and contains at least one emulsifier, and
- (b) 25 - 99 w/w-% of an aqueous phase, relative to the total weight of the complete composition.

20 11. A product according to claim 1 wherein the wax dispersion comprises:

- (a) 1 - 50 weight % of a wax phase comprising:
 - (a1) 0.1 - 30 weight % of at least an oil or wax component selected from C₁₄-C₃₀-dialkyl ethers, C₁₄-C₃₀-dialkyl carbonates, C₄-C₃₄-dicarboxylic acids or C₁₂-C₃₀-hydroxyfatty alcohols or any mixture thereof;
 - (a2) 0.1 - 10 % (w/w) of at least one oil;
 - (a3) 0.1 - 10 % (w/w) of at least one non-ionic emulsifier
 - (a4) 0.1 - 40 % (w/w) of at least one further waxy lipid component; w/w relative to the total weight of the wax dispersion;
- (b) 50 - 99 % (w/w) of an aqueous phase; w/w relative to the total weight of the wax dispersion.

12. A product according to claims 1-11 wherein the wax dispersion contains 5 - 30 weight-% of a wax phase and in particular the wax dispersion contains 10 – 25 weight-% of a wax phase relative to the total weight of the wax dispersion.

5 13. A product according to claims 1-12 wherein the wax dispersion additionally contains a 0.01 – 5 % (w/w relative to the total weight of the dispersion) of a polymer.

14. A product according to claim 13, wherein the polymer is selected from the group of polyacrylates, polysaccharides, polyacrylamides or any mixture of these polymers.

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15. A product according to claims 1 – 14 wherein an additional aqueous phase has been applied to the applicator.

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16. A product according to claims 1 – 15 wherein the products have been dried subsequently.

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17. A product according to claim 15, wherein an additional aqueous phase has been applied to the applicator, after which the product is dried, and to which subsequently a wax dispersion is applied.

18. A product according to claim 15 wherein an additional aqueous phase and a wax dispersion have been applied to the applicator, after which the product is dried.

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19. A product according to claim 15 wherein an additional aqueous phase has been applied to the applicator and to which subsequently a wax dispersion is applied, whereafter the product is dried.

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20. A product according to claim 15 wherein a wax dispersion has been applied to the applicator and to which subsequently an additional aqueous phase is applied, whereafter the product is dried.

21. A product according to any of claims 1 to 20 wherein the additional aqueous phase or the wax dispersion, or both; contains one or more active substances.

22. A product according to claim 21 wherein the active substance(s) is or are anti-microbials, e.g. anti-bacterials and antifungals, anti-inflammatory agents, anti-irritating, anti-itching, anti-perspirant, anti-ageing, anti-stinging, soothing, calming agents.

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23. A product according to any of claims 1 to 22 which product is a puff (pouf), pad, sponge, foam, glove, mitt, brush, swab, cotton ball or bar.

24. A method of manufacturing a product as claimed in any of claims 1 - 23, said method comprising applying to the applicator a wax dispersion.

25. A method of manufacturing a product as claimed in claim 14, said method comprising applying to the applicator a wax dispersion and an additional aqueous phase, either subsequently or simultaneously.

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26. A method of manufacturing a product as claimed in any of claims 15 - 16, said method comprising applying to the applicator a wax dispersion and a drying step.

27. A method of manufacturing a product as claimed in any of claims 17 - 20, said method comprising applying to the applicator a wax dispersion and an additional aqueous phase, either subsequently or simultaneously, and a drying step.

28. A method according to any of claims 17 - 20 wherein the additional aqueous phase is applied by spraying, dripping, immersing or running through a bath, and the wax phase is applied by spraying, contacting, printing or a direct contact process where there is a direct contact between the applicator and an application head having slit nozzles.

29. Use of a product as claimed in any of claims 1 to 21 as an applicator of active substances, or as a cleanser, or as a combined cleanser and applicator of active substances.